

Case Inventory Document

I. Area(s) of Concern, Receptor and Emergency Response Tracking	Impacted Media	Contaminants of Concern	Exposure Route	Receptors		Current Status/Outcome
				Existing	Potential	
AOC 1 3000g #2 Fuel Oil UST	Soil	TPHC	None	None	None	Oct. 2007 - Site Investigation identified soil contamination up to 40,000 ppm. UST and piping permanently closed and removed. December 3, 2009 RAR - Excavated contaminated soils, Post-ex samples all below the June 2008 soil standards. Contaminated soils and UST shell and contents properly disposed off-site, certified clean backfill used to restore excavation to grade. No ground water investigation triggered. UST registration updated. Unrestricted AOC RAO issued 12-3-09. Restricted Use, Full Site RAO Issued 4-3-10
AOC 2 TCE AGST	Soil and ground water	TCE, Cis-1,2-DCE, Trans-1,2-DCE, PCE and vinyl chloride	Ground water	None	ABC River	December 3, 2009 RAR - Soil contamination (TCE) was detected above the June 2008 standards. Soil excavated and post-ex results below the June 2008 IGW Soil Standards. Soil disposed off-site, certified clean back fill. TCE and daughter products detected in GW. GW contamination is off-site and was delineated horizontally and vertically. Contamination shows diving plume. On-site both shallow (15') and deep (75') overburden were contaminated. Off-site, only the deep overburden was contaminated. GW source area was treated using Electrical Resistance Heating and Soil Vapor Extraction. On-site contamination was remediated to the GWQS. Off-site contamination was monitored for two years. Levels have decreased and decreasing trend is evident. Passes Mann-Whitney. CEA established and Ground Water Remedial Action Permit #----- obtained for off-site contamination. PCE found in ground water from an unknown upgradient source based on completion of a full site PA\SI and higher levels of PCE found in upgradient MW-5. PCE referred to DEP. Restrict
AOC 3 5000 gal Diesel Fuel AST	Soil , ground water and surface water	TPHC, VO's and BNs	Ground water, direct contact and surface water	ABC River		December 3, 2009 RAR - Diesel fuel from the onsite AST release found on 11-10-08 discharging to the ABC River (08-11-10-1452-59). See Emergency Response AOC. All pads and booms were removed and properly disposed of (disposal documentation is in Appendix G of the January 31, 2009 RIR). Soil and ground water sampling was conducted in February 2009 to confirm that the ground water was not impacted and that soils were completely remediated. The ground water samples were either non-detect or below the Ground Water Quality Standards. The soil samples were below the Soil Cleanup Standards, except for benzo(a)pyrene and benzo(k)fluoranthene. These compounds were detected at similar concentrations throughout the site and are attributed to the historic fill. Restricted Use, Full Site RAO Issued 4-3-10
AOC 4 Historic Fill	soil	CaPAHs, lead, and cadmium				April 3, 2010 Final RAR - Prior to site construction in 1952, fill material was brought to the site to fill in low lying areas throughout the site. To determine the extent of the fill and if it was contaminated above the soil cleanup standards the site was grided in 100' x 100' grid. Borings were conducted in the center of each grid. It was determined that the fill was not more than two feet thick. Samples were collected at 6 and 18 inches for BNs and metals. Benzo(a)pyrene, benzo(k)fluoranthene, indeno(1,2,3-cd)pyrene, lead and cadmium were detected above the standards, but within the concentration ranges of the historic fill table 4-2 (NJAC 7:26-4.6). Institutional and engineering controls were implemented in March 2009. The filed Copy of the deed notice is in the final RAR dated June 30, 2009. Restricted Use, Full Site RAO issued 4-3-10

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AOC 5 5000 g Gasoline UST	None	BTEX, MTBE, Pb	None	None	None	Oct. 2007 - Site Investigation identified no soil contamination. December 3, 2009 RAR - UST, piping and dispensers permanently closed and removed. Piping and UST shell and contents properly disposed off-site, Certified clean backfill used to restore excavation to grade. UST registration updated. Unrestricted AOC RAO issued 12-3-09. Restricted Use, Full Site RAO Issued 4-3-10
Vapor Intrusion Investigation	Soil gas	TCE	Vapors	1 On-site manufacturing bldg	2 commercial buildings on adjacent properties 150' away.	December 3, 2009 RAR - Based on TCE levels in the GW on-site, sub-slab and indoor air collected at on-site building. Sub-slab samples had TCE above the screening levels. Indoor air sample was non-detect. Off-site Buildings do not require VI because there is a clean water lens beneath the building. Following on-site soil and GW remediation, sub-slab samples were collected and TCE was non-detect. Continued monitoring for vapors at the on-site building is not required.
Potable Wells	Ground water	VOC	Ground Water	none	5 Off-site Potable wells	April 15, 2009 RIR - 5 potable wells sample for VO's on 10-15-08. All results non-detect. All five ND wells resampled 2-3-09 prior to full site RAO being issued. All results ND.
Production Wells	Ground Water	PCE	Ground water	Onsite Production well	None	April 15, 2009 RIR - The onsite production well was impacted by PCE from an upgradient unknown source. The well is 100' deep and has 40' of steel casing. The well pumps on week days only and generally yields 28 gpm over an 8 hour day. The well draws water from a shale layer of the Passaic Fm. The well is currently being treated by an air stripper. Effluent following treatment meets NJDEP Ground Water Quality Standards.
IEC Potable Well	Ground Water	PCE	Ground water	Onsite residential potable well	5 Offsite Potable wells	April 15, 2009 RIR - The onsite potable well sampled 10-15-08 showed PCE above MCLs. Residents and Health Dept. notified. Bottled water provided in 48 hours. POET installed 2 weeks after impacted discovered. PCE in POET influent found up to 77 ppb over the past 4 sampling rounds. DNAPL has not been detected. The well is 84' deep and has a 28' steel casing. The well serves the single family residence onsite only and yields approximately 18 gpm. The well draws water from a limestone layer of the Allentown Formation. The well is currently being treated with activated carbon via a Spill Fund claim since PCE is from an upgradient unknown source. Effluent from the treatment system meets the NJ Drinking water standards.
Emergency Response	Surface Water	Diesel Fuel	Overland flow	ABC River	None	April 15, 2009 RIR - Diesel fuel from the onsite AST release found on 11-10-08 discharging to the ABC River (08-11-10-1452-59). AST repaired. During initial response source soil has been removed and the bank of the river has been encapsulated with solid skirt boom. Absorbent boom and spill pads placed along the bank to capture the seep. Seep last observed 10-27-08. The boom and any oil saturated pads replaced as needed. The area was checked regularly during high water events to ensure capture of any released oil. The booms and pads were maintained till 12-27-08, Emergency response concluded 1-6-09. See AOC 3 - Diesel AST for final remediation details.